

On the systematic status of *Macroglossum palauensis* Matsumura (Lepidoptera, Sphingidae)

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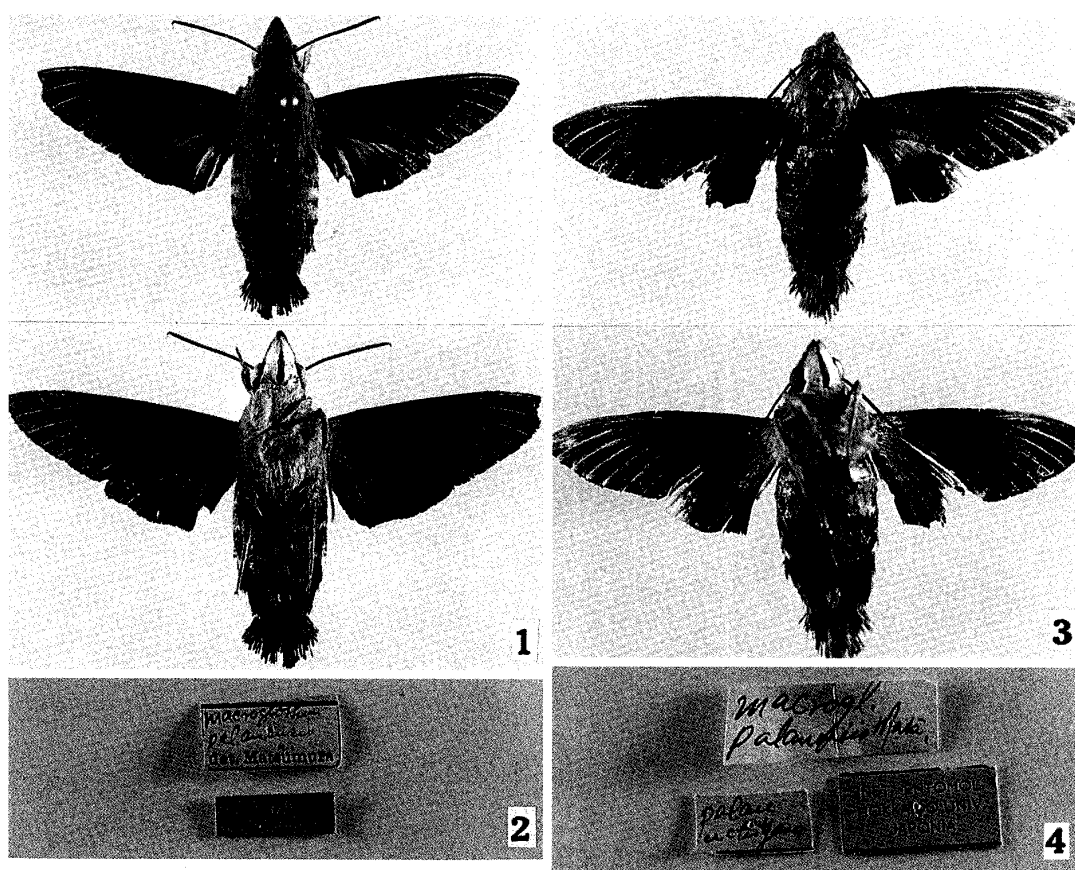
Abstract The systematic status of *Macroglossum palauensis* Matsumura was discussed and it was considered to be a synonym of *M. sylvia* Boisduval.

Key words *Macroglossum*, Palau, holotype, synonym, select.

Macroglossum palauensis Matsumura (Fig. 1)

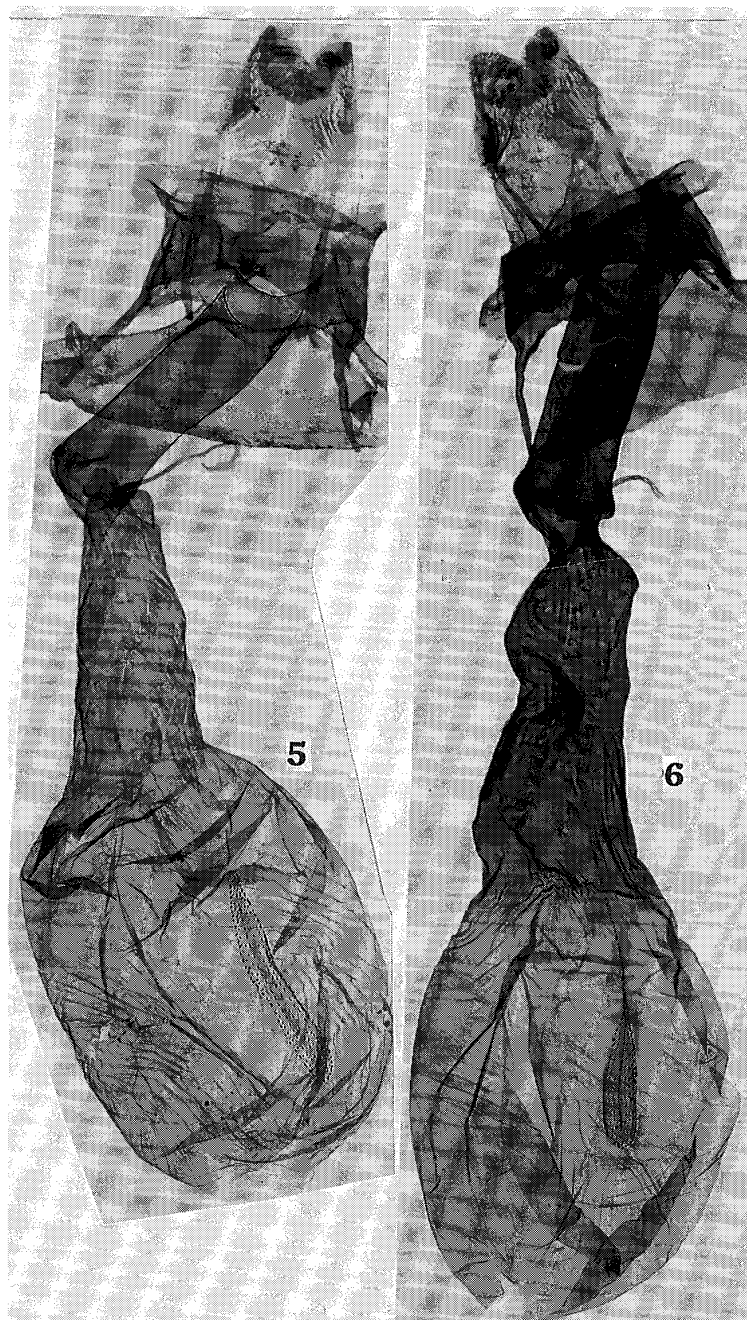
Macroglossum palauensis Matsumura, 1930: 120, fig. 2; *id.* 1931: 605, fig.

Although in the original description Matsumura writes, "Hab.-Palau; one male specimen was collected by Mr. S. Uchiyama.", there are two females identified as *palauensis* by him preserved in the Laboratory of Systematic Entomology, Hokkaido University, Sapporo.



Figs 1-2. *Macroglossum palauensis* Matsumura. 1. Holotype, ♀ (not ♂ as stated by the author). [= *M. sylvia* Boisduval]. 2. Ditto, labels.

Figs 3-4. *Macroglossum palauensis* Matsumura, det. by the author. 3. ♀. [= *M. corythus* Walker]. 4. Ditto, labels.



Figs 5-6. Female genitalia of *Macroglossum*. 5. *M. palauensis*, holotype. 6. *M. palauensis*, det. by Matsumura.

The next year he writes, "This species is common on Palau, southern Pacific [in Japanese].", probably based on the two specimens. Unfortunately the two females are not the same species. As shown in the pictures here, we cannot judge which of them is the holotype from the original description and from the labels attached to the specimens. One is nearly perfect, but the other is rather worn and the hindwings are broken. I will here choose the former as the holotype of *palauensis*, which is identical with *M. sylvia* Boisduval (**syn. nov.**). The other specimen is identical with *M. corythus* Walker in its female genitalia, seemingly most close to subsp. *pylene* Felder, but the correct status of the subspecies is not decided. The

female genitalia of *sylvia* and *corythus* are very similar, but the colliculum of the former is a little longer and broader than in *corythus*. The male (figs 28, 29) and female (figs 46, 47) genitalia of *sylvia* and *corythus* are illustrated by Inoue, Kennett & Kitching, [1996]. Bridges, 1993, VII: 59, wrongly cites the type-locality of *palauensis* as Japan.

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References

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摘 要

パラウハウジャク (スズメガ科) について (井上 寛)

南太平洋のパラウ島でとれた単一の雄によって新種として記載された *Macroglossum palauensis* Matsumura パラウハウジャクの原標本とおもわれるものを調べてみると、北海道大学には、著者自身によって *palauensis* と同定された2頭の雌があって、どちらが完模式標本なのか、原記載からもラベルからも判断がつかない。本文では、より状態の良い方の標本を holotype とさだめたが、これは *M. sylvia* Boisduval のシノニムであることがゲニタリアを比べることによって判明した。もう1頭の不完全な雌は *M. corythus* Walker オキナワクロハウジャクと一致した。原記載でただ1頭の雄 (実は雌のまちがい) としか述べられていないので、後の標本は paratype とはならない。

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